

# **Tents/Canopies**

## **General Requirements for a Permit**

### **USE PERIOD**

Temporary tents, air supported, air inflated or tensioned membrane structures and canopies shall be used for a period of not more than 180 days within a 12-month period on a single premise.

### **ACCESS**

Fire apparatus access roads shall be provided when any portion of the Temporary Membrane Structure, Tent or Canopy is located more than 150 ft (45 720 mm) from fire apparatus access as measured by an approved route around the exterior of the Temporary Membrane Structure, Tent or Canopy.

More than one fire apparatus road shall be provided when access by a single road might be impaired by vehicle congestion, condition of terrain, climatic conditions or other factors that could limit access.

Fire Apparatus access roads shall have an unobstructed width of not less than 20 feet (6096 mm) and an unobstructed vertical clearance of not less than 13 feet 6 inches (4115 mm).

Vertical clearances or widths shall be increased when, vertical clearances or widths are not adequate to provide fire apparatus access.

Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus and shall be provided with a surface so as to provide all-weather driving capabilities.

The turning radius of a fire apparatus access road shall be as approved by the Fire Prevention Division.

Dead-end fire apparatus access roads in excess of 150 feet (45 720 mm) in length shall be provided with approved provisions for the turning around of fire apparatus.

### **Obstruction and Control of Fire Apparatus Access**

The required width of a fire apparatus access road shall not be obstructed in any manner, including parking of vehicles. Minimum required widths and clearances established by the Chandler Fire Department, shall be maintained at all times.

Parked vehicles shall not obstruct entrances to roads, trails, or other access ways, which have been closed with gates and barriers.

Tents shall not be placed or extend into existing Fire Department Access. Support ropes and Guide Wires shall not extend into existing Fire Department Access.

### **Location and Parking**

Tents, canopies or membrane structures shall not be located within 20 feet (6096 mm) of lot lines, buildings, other tents, canopies, or membrane structures, parked vehicles or internal combustion engines. For the purpose of determining required distances, support ropes and guide wires shall be considered as part of the temporary membrane structure, tent or canopy.

Membrane structures having an area of 15,000 square feet (1394 m<sup>2</sup>) or more shall be located not less than 50 feet (15,240 mm) from any other tent or structure as measured from the sidewall of the tent or membrane structure unless joined together by a corridor.

Tents or membrane structures are allowed to be joined together by means of corridors. Exit doors shall be provided at each end of such corridor and approximately opposite each other, there shall be provided openings not less than 12 feet (3658 mm) wide.

## **Structural Stability**

Tents, canopies, or membrane structures and their appurtenances shall be adequately roped, braced and anchored to withstand the elements of weather and prevent against collapsing. Documentation of structural stability shall be furnished to the Fire Prevention Division.

Guide wires, guide ropes and other support members shall not cross a means of egress at a height of less than 13.8 feet (3658mm).

Air-supported and Inflated Structures.

The design and construction of the fabric envelope, the method of anchoring, and inflation systems for air-supported and air-inflated structures shall be in accordance with the Fire and Building Code.

## **Flame-Retardant Treatments**

Before a permit is granted, the owner or agent shall file with the fire code official a certificate executed by an approved testing laboratory, certifying that the tents, canopies and membrane structures and their appurtenances, sidewalls, drops and tarpaulins, floor coverings, bunting, combustible decorative materials and effects, including sawdust when used on floors or passageways, shall be composed of flame-resistant material shall be treated with a flame retardant in an approved manner and meet the requirements for flame resistance as determined in accordance with NFPA 701, and that such flame resistance is effective for the period specified by the permit.

Membrane structures, tents or canopies shall have a permanently affixed label bearing the identification of size and fabric or material type.

An affidavit or affirmation shall be submitted to the fire code official and a copy retained on the premises on which the tent or air-supported structure is located. The affidavit shall attest to the following information relative to the flame resistance of the fabric:

- a. Names and address of the owners of the tent, canopy or air-supported structure.
- b. Date the fabric was last treated with flame-resistant solution.
- c. Trade name or kind of chemical used in treatment.
- d. Name of person or firm treating the material.
- e. Name of testing agency and test standard by which the fabric was tested.

## **Means of Egress**

Exits shall be spaced at approximately equal intervals around the perimeter of the tent, canopy or membrane structure, and shall be located such that all points are 75 feet (30 480 mm) or less from an exit.

Tents, canopies or membrane structures or a usable portion there of shall have at least one exit and not less than the number of exits required by Table 2403.12.2. The widths of means of egress required by table 2403.12.2. shall be approximately equally among the separate means of egress. The total width of means of egress in inches (mm) shall not be less than the total occupant load served by a means of egress multiplied by 0.2 inches (5 mm) per person.

## Minimum Number of means of Egress and Means of Egress Widths From Temporary membrane Structures, Tents and Canopies

Occupant Load	Minimum Number of Means of Egress
10 to 199	2
200 to 499	3
500 to 999	4
1,000 to 1,999	5
2,000 to 2,999	6
Over 3,000	7

The total width of means of egress in inches (mm) shall not be less than the total occupant load served by a means of egress multiplied by 0.2 (5.08). Such widths of means of egress shall be divided approximately equally among the separate means of egress.

### Exit Openings

Exit openings from tents shall remain open unless covered by a flame-resistant curtain. The curtains shall be so arranged that, when open, no part of the curtain obstruct the exit.

Curtains shall be free sliding on a metal support. The support shall be a minimum of 80 inches (2032mm) above the floor level at the exit. The curtains shall be so arranged that, when open, no part of the curtain obstruct the exit.

Curtains shall be of a color, or colors, that contrasts with the color of the tent.

### Doors

Exit doors shall swing in the direction of exit travel. To avoid hazardous air and pressure loss in air-supported membrane structures, such doors shall be automatic closing against operating pressures. Opening force at the door edge shall not exceed 15 pounds (7 kg).

### Aisles

The width of aisles without fixed seating shall be accordance with the following:

In areas serving employees only, the minimum aisle width shall be 24 inches (610 mm) but not less than the width required by the number of employees served.

In public areas, smooth-surfaced, unobstructed aisles having a minimum width of not less than 44 inches (1118 mm) shall be provided from seating areas, and aisles shall be progressively increased in width to provide, at all points, not less than 1 foot (305 mm) of aisle width for each 50 persons served by such aisle at that point.

### Illumination

Means of egress shall be illuminated with light having intensity of not less than 1-foot candle (11 lux) at floor level while the structure is occupied. Fixtures required for means of egress illumination shall be supplied from a separate circuit or source of power.

### Exit Signs

Exits shall be clearly marked. Exit signs shall be installed at required exit doorways and where otherwise necessary to indicate clearly the direction of egress when the exits serve an occupant load of 50 or more.

Exits shall be of an approved self-luminous type or shall be internally or externally illuminated by fixtures supplied in the following manner:

Two separate circuits, one of which shall be separate from all other circuits, for occupant loads of 300 or less; or

Two separate sources of power, one of which shall be approved emergency system, shall be provided when the occupant load exceeds 300. Emergency systems shall be supplied from storage batteries or from the on-site generator set, and the system shall be installed in accordance with the ICC *Electrical Code*.

## **Maintenance of Means of Egress**

The required width of exits, aisles and passageway shall be maintained at all times to a public way. Guide wires, guy ropes, and other support members shall not cross a means of egress at a height of less than 8 feet (2438 mm). The surface of means of egress shall be maintained in an approval manner.

### **Seating Arrangements**

When seating rows have 14 or less seats, the minimum clear width between rows shall not be less than 12 inches (305 mm) measured as the clear horizontal distance from the back of the row ahead and the nearest projection of the row behind.

Where seats are automatic or self-rising, measurement may be made with the seats in the raised position. Where seats are not automatic or self-rising, the minimum clear width shall be measured with the seat in the down position. The clear width shall be increased as follows:

- a. For rows of seating served by aisles or doorways at both ends, there shall be no more than 100 seats per row and the minimum clear width of 12 inches (305 mm) between rows shall be increased by 0.3 inch (7.62 mm) for every additional seat beyond 14, but the minimum clear width need not exceed 22 inches (559 mm). If the aisles are dead-ended, see Section 2501.9.4 for further information.
- b. For rows of seating served by an aisle or a doorway at one end only, the minimum clear width of 12 inches (305 mm) between rows shall be increased by 0.6 inch (15mm) for every additional seat beyond seven, but the minimum clear width need not exceed 22 inches (559 mm). In addition, the distance to the point where the occupant has a choice of two directions of travel to an exit shall not exceed 30 feet (9144 mm) from the point where the occupant is seated.

Loose seats, folding chairs, or similar seating facilities that are not fixed to the floor shall be bonded together in-groups of three or more.

When bonding of chairs is required, aisles and exits shall be provided.

Bleacher seats and reviewing stands shall be established by the Fire Marshal.

## **Maximum Occupant Load**

### **Position of room capacity**

Any area having an occupant load of 50 or more where fixed seats are not installed, and which is used for assembly purposes, shall have the capacity posted in a conspicuous place on an approved sign near the main exit from the room. Such sign shall be maintained legible by the owner or the owner's authorized agent and shall indicate the number of occupants permitted for each room use.

The number of persons in a Temporary Membrane Structure, Tents and Canopies shall not exceed the amount determined by the Fire Marshal.

### Auxiliary Power

Places of public assembly for more than 200 persons shall be furnished with either a fully automatic auxiliary engine-generator set capable of powering one blower continuously for 4 hours, or a supplementary blower powered by an internal combustion engine which shall be automatic in operation.

### Overcrowding

Overcrowding and admittance of persons beyond the approved capacity of a place of assembly are prohibited. Upon finding overcrowding conditions or obstructions in aisles, passageways or other means of egress, or upon finding a condition which constitutes a serious menace to life, the Chandler Police or Chandler Fire Department is authorized to cause the performance, presentation, spectacle or entertainment to be stopped until such condition or obstruction is corrected.

## **Sources of Ignition**

### Smoking

Smoking shall not be permitted in tents, canopies or membrane structures or in adjacent areas where hay, straw, sawdust or other combustible materials are stored or used. NO SMOKING signs shall be conspicuously posted.

### Open or Exposed Flame

Open flame or other devices emitted flame, fire or heat or any flammable or combustible liquids, gas, charcoal or other cooking device or any other unapproved devices shall not be permitted inside or located within 20 feet (6096 mm) of the tent, canopy or membrane structures while open to the public unless approved by the Fire Prevention Division.

### Spot Lighting

Spot or effect lighting shall only be by electricity, and all combustible construction located within 6 feet (1829 mm) of such equipment shall be protected with approved noncombustible insulation not less than 9.25 inches (235 mm) thick.

### Fireworks

Fireworks, shall not be used in or within 100 feet (30 480 mm) of tents, canopies or membrane structures.

## **Cooking and Heating**

### Installation

Heating or cooking equipment, tanks, piping, hoses, fittings, valves, tubing and other related components shall be installed as specified in the *International Mechanical Code* and the *International Fuel Gas Code*, and shall be approved by the fore code official.

### Venting

Gas, liquid and solid fuel-burning equipment designed shall be vented to the outside air as specified in the *International Fuel Gas Code* and the *International Mechanical Code*. Such vents shall be equipped with approved spark arrestors when required. Where vents or flues are used, all portions of the tent, canopy or membrane structure shall be not less than 12 inches (305 mm) of exits or combustible materials.

### Operations

Operations such as warming of foods, cooking demonstrations and similar operations that use solid flammables, butane or other similar devices which do not pose an ignition hazard, shall be approved.

### Cooking Tents

Tents where cooking is performed shall be separated from other tents, canopies or membrane structures by a minimum of 20 feet (6096 mm).

### Outdoor Cooking

Outdoor cooking that produces sparks or grease-laden vapors shall not be performed within 20 feet (6096 mm) from a tent, canopy or membrane structure.

## **Electrical Heating and Cooking Equipment**

Electrical cooking and heating equipment shall comply with the ICC *Electrical Code*.

## **LP-Gas**

### General

LP-gas equipment such as tanks, piping, hoses, valves, tubing and other related components shall be approved and in accordance with Chapter 38 and with the *International Fuel Gas Code*.

### Location of Containers

LP-gas containers shall be located outside. Safety release valves shall be pointed away from the tent, canopy or membrane structure.

Portable LP-gas containers are allowed to be used temporarily for demonstrations and public exhibitions as approved by the Fire Marshal.

Portable LP-gas containers with a capacity of 500 gallons (1893 L) or less shall have a minimum separation between the containers and structure not less than 10 feet (3048 mm).

Portable LP-gas containers with a capacity of more than 500 gallons (1893 L) shall have a minimum separation between the container and structures not less than 25 feet (7620 mm).

## **Protection and Security**

Portable LP-gas containers, piping, valves and fittings which are located outside and are being used to fuel equipment inside a tent, canopy or membrane structure shall be adequately protected to prevent tampering, damage by vehicles or other hazards and shall be located in and approved location. Portable LP-gas containers shall be securely fastened in place to prevent unauthorized movement.

## **Flammable and Combustible Liquids**

### Use

Flammable-liquid fueled equipment shall not be used in tents, canopies or membrane structures.

### Storage

Flammable and combustible liquids shall be stored outside in an approved manner not less than 50 feet (15 240 mm) from tents, canopies or membrane structures.

### Refueling

Refueling shall be performed in an approved location not less than 20 feet (6096 mm) from tents canopies or membrane structures.

## **Display of Motor Vehicle**

Liquid-and gas fueled vehicles and equipment used for display within tents, canopies or membrane structures shall be in accordance with this section.

### Batteries

Batteries shall be disconnected in an appropriate manner.

### Fuel Systems

Vehicles or equipment shall not be fueled or defueled within the tent, canopy or membrane structure.

### Quantity Limit

Fuel in the fuel tank shall not exceed one-quarter of the tank capacity or 5 gallons (19 L), whichever is less.

### Inspection

Fuel systems shall be inspected for leaks.

### Closure

Fuel tank openings shall be locked and sealed to prevent the escape of vapors.

### Location

The location of vehicles or equipment shall not obstruct means of egress.

### Places of Assembly

When a compressed natural gas (CNG) or liquefied petroleum gas (LP-gas) powered vehicle is parked inside a place of assembly, all the following conditions shall be met:\

The quarter-turn shutoff valve or other shutoff valve on the outlet of the CNG or LP-gas container shall be closed and the engine shall be operated until it stops. Valves shall remain closed while the vehicle is indoors.

The Positive lead of the battery shall be disconnected and secured.

Dual-fuel vehicles equipped to operate on gasoline and CNG or LP-gas shall comply with this section and Sections 2404.18.5.3 for gasoline-powered vehicles.

### Competitions and Demonstrations

Liquid- and gas-fueled vehicles and equipment used for competition or demonstration within a tent, canopy or membrane structure shall comply with:

Fuel for vehicles or equipment shall be stored in approved containers in an approved location outside of the structure in accordance with Section 2404.17.2.

Refueling shall be performed outside of the structure in accordance with Section 2404.17.3.

Fuel spills shall be cleaned up immediately.

## **Generators**

Generators and other internal combustion power sources shall be separated from tents, canopies or membrane structures by a minimum of 20 feet (6096 mm) and shall be isolated from contact with the public by fencing, enclosure or other approved means.

## **Housekeeping**

### **Vegetation Removal**

Combustible vegetation shall be removed from the area occupied by Temporary membrane Structure, Tent or Canopy and from areas within 30 feet (9144 mm) of such structures.

The floor surface inside tents, canopies or membrane structures and the grounds outside and within 30-foot (9144 mm) perimeter shall be kept clear of combustible waste. Such waste shall be stored in approved containers until removed from the premises.

An unobstructed fire break passageway or fire road not less than 12 feet (3658 mm) wide and free from guide ropes or other obstructions shall be maintained on all sides of all tents, canopies and membrane structures unless otherwise approved by the fire code official.

### **Storage**

There shall be a minimum clearance of at least 3 feet (914 mm) between the fabric envelope and all contents located inside the tent or membrane structure.

### **Combustible Materials**

Hay, straw, shavings or similar combustible materials shall not be located within any tent, canopy or membrane structure containing an assembly occupancy, except the materials necessary for the daily feeding and care of animals. Sawdust and shavings utilized for a public performance or exhibit shall not be prohibited provided the sawdust and shavings are kept damp. Combustible materials shall not be permitted under stands or seats at any time. The areas within and adjacent to the tent or air-supported structure shall be maintained clear of all combustible materials or vegetation that could create a fire hazard within 20 feet (6096 mm) from the structure. Combustible trash shall be removed at least once a day from the structure during the period the structure is occupied by the public.

### **Use of Combustible Decorative Materials**

Combustible decorative materials used shall be flame resistant.

Textile and film materials shall be treated and maintained flame resistant in accordance with nationally recognized standards.

Wood materials less than ¼-inch (6.4 mm) nominal thickness shall be treated with a flame retardant coating in accordance with nationally recognized standards.

Foam plastics and materials containing foam plastics shall be in accordance with the following:

Exhibit booth construction shall have a maximum heat-release rate of 100 kilowatts when tested in accordance with nationally recognized standards.

Decorative objects, including but not limited to mannequins, murals, and signs, shall have a maximum heat-release rate of 150 kilowatts when tested in accordance with nationally recognized standards.

Motion pictures shall not be displayed in tents, canopies or membrane structures unless the motion picture film is safety film.

Plastic materials other than foam plastics shall be flame resistant or shall be rendered flame resistant by treating with a flame-retardant coating.

## **Portable Fire Extinguishers**

Portable fire extinguishers shall be installed in occupancies and locations as set forth in this code and as required by the Fire Prevention Division. Fire Extinguishers shall be hung on brackets. The brackets shall be attached to the pole not the fire extinguisher.



All fire extinguishers shall have a current inspection tag (within the last year) and be in good working order with all seals in place.

Fire hose lines, water supplies and other auxiliary fire equipment shall be maintained at the site in such number

## **Fireworks and Pyrotechnic Displays**

### **General Requirements for a Permit**

All Permit requirements shall comply with the Fire Code and NFPA 1123 & 1126.

#### **Operator Qualifications**

A competent operator with a valid certificate of fitness card, issued by the Phoenix Fire Department, or documentation of adequate training issued by another jurisdiction, subject to approval or disapproval of the Chandler Fire Department, is required for each display.

The operator shall be at least 21 years old.

A person of proven experience shall supervise the handling and use of fireworks and pyrotechnics.

All assistants shall be trained in the duties they are to perform, be under the direct supervision of the operator, and shall be at least 18 years old.

No person suspected of being under the influence of intoxicants or narcotics shall handle fireworks in any manner or be on-site with the fireworks.

#### **Site**

Where added safety precautions have been taken, or particularly favorable conditions exist, the AHJ shall be permitted to decrease the required separation distances, as it deems necessary.

- a. Vehicles  
Provide approved storage security for each vehicle that transports fireworks. Provide barricades leading to the display area.
- b. Display  
No fireworks display, articles, or devices, shall be permitted to cross over or burst above a spectator area, building, or any public right-of-way open for use during the display. Favorable weather conditions must be present; wind velocity in excess of 15 miles per hour, which may alter the trajectory, stability of display, or discharge of fireworks, shall cause the operation to be suspended.

c. Minimum Required Radius

For aerial shells, the minimum required radius of the display site should be 70 ft per in. (22m per 25mm) of the internal mortar diameter of the largest aerial shell to be fired.

Distances for Outdoor Aerial Shell Display Sites: Minimum Separation Distances From Mortars to Spectators for land of Water Displays		
Mortar Size	Minimum Secure Diameter of Site	Maximum Secure Diameter of Site
<1	150 ft.	300
1.5	210 ft.	420
2	280 ft.	560
2.5	350 ft.	700
3	420 ft.	840
4	560 ft.	1120
5	700 ft.	1400
6	840 ft.	1680

For Ground display pieces of low hazard potential, the minimum radius shall be 75 ft and maximum shall be 150 ft.

For ground display pieces with great hazard potential, the minimum radius shall be 125 ft and maximum shall be 250 ft.

d. Mounting

All pyrotechnic devices shall be mounted in a secure manner to maintain their proper positions and orientations.

Pyrotechnic devices shall be mounted so that no fallout from the device endangers human lives results in personal injury, or damages property.

e. Equipment

Pyrotechnic materials shall be fired only from equipment specifically constructed for the purpose of firing pyrotechnic materials.

Mortars shall be sufficient strength and durability to fire the aerial shells and to be used safely.

Paper, HDPE, and fiberglass mortars shall be permitted to be used.

Cast iron, stovepipe, corrugated culvert, clay, bamboo, and wood shall not be used to make mortars.

Mortar racks and bundles that are not inherently stable shall be secured or braced by means of staked, legs, A-frames, sideboards, or equivalent means.

f. Fallout Area

The fallout area shall be an open area.

Spectators, unauthorized vehicles, watercraft, or readily combustible materials shall not be located within the fallout area during the actual firing of the display.

g. Tents

Tents shall not be located within the discharge site during the display.

### Fire Protection

Provide a minimum of two (2) approved 2-1/2 gallon pressurized water fire extinguishers and two (2) class 10BC extinguishers or other approved water supply source at the display area. Additional safeguards may be required at individual display locations as deemed necessary by the Fire Department.

## Insurance

The permittee shall furnish a certificate of insurance in accordance with the Fire Code, showing minimum coverage as follows:

- a) Commercial General Liability
- b) Per Occurrence      \$1,000,000
- c) Aggregate            \$2,000,000

The City of Chandler, its agents, representatives, officers, directors, officials, and employees shall be named as an **Additional Insured**, and each certificate shall contain a “Waiver of Subrogation, and Severability of Interest or Separation of Insured clause.”

## Standby and Inspections Fees

When requesting a permit for fireworks an Engine Company from the Chandler Fire Department is required during the shoot.

In addition to the Engine Company an inspector will conduct an inspection to issue the permit prior to the shoot.

All fees incurred for inspection and standby are the responsibility of the requester to pay. The requester of the event shall agree to pay all inspections and standby fees to prior to the event. These fees are separate fees from the permit fee.

For pricing contact the Fire Prevention Bureau at 480-782-2121.

## City of Chandler Events

A Hold Harmless Agreement (included) shall be completed and **NOTARIZED**, only required if the display is to be held on the City of Chandler property.

A bond shall be required in the principle amount not less than **five hundred dollars (\$500.00)**, conditioned upon payment of all damages which may be caused to persons or property by reason of the display. (A.R.S. Section 36-1604) this bond shall be placed on deposit with the City Clerk.

If the City of Chandler reasonably determines in its sole discretion that the event will or is likely to create a dangerous unsafe condition to public safety or environmental conditions become a threat to public safety the Police or Fire Department personnel are authorized to suspend the event activities until such time that the condition(s) are resolved.

# Vehicle Display

## General Requirements for a Permit

Displays of vehicles shall be arranged so as to maintain free, immediate and unobstructed access to exits as required by the Fire Code and Fire Marshal or Designee.

### **Vehicle Display shall comply with all of the following restrictions:**

Liquid- or gas-fueled vehicles, boats or other motor craft shall not be located indoors or under canopies except as follows:

1. Batteries are disconnected.
2. Fuel in fuel tanks does not exceed one-quarter tank or 5 gallons (19 L) (whichever is least).
3. Fuel tanks and fill openings are closed and sealed to prevent tampering.
4. Vehicles, boats or other motor craft equipment are not fueled or defueled within the building or under canopies.

# Open Burn & Flames

## General Requirements for a Permit

- A permit shall be issued by the Fire Department before open flame devices are used.
- Open-flame devices are allowed to be used provided approved precautions are taken to prevent ignition of a combustible material or injury to occupants.
- A person shall not take or utilize an open flame or light in a structure, vessel, boat or other place where highly flammable, combustible or explosive material is utilized or stored. Lighting appliances shall be well secured in a glass globe and wire mesh cage or a similar approved device.
- No person shall throw or place, or cause to be thrown or placed, a lighted match, cigar, cigarette, matches, or other flaming or glowing substance or object on any surface or article where it can cause an unwanted fire.
- Open burning shall adhere to the "No Burn Day" requirements as set forth by the Maricopa County Air Quality Division.

## **Open-flame decorative devices shall comply with all of the following restrictions:**

### Prohibited

- Lanterns, kerosene heaters, and gas-fired heaters shall not be used inside a building.
- Flammable or Combustible Liquids and LP-gas shall not be used.
- Candles shall be prohibited in areas where occupants stand, or in an aisle or exit.

### Holders or Devices

- The device or holder shall be constructed to prevent the spillage of liquid fuel or wax when the device or holder is not in an upright position.
- The device or holder shall be designed so that it will return to the upright position after being tilted to an angle of 45 degrees from vertical.
- The flame shall be enclosed except where openings on the side are not more than 0.375 inch (9.5mm) diameter or where openings are on the top and the distance to the top is such that a piece of tissue paper placed on the top will not ignite in 10 seconds.
- Chimneys shall be made of noncombustible materials and securely attached to the open-flame device.
- Lighting devices (Lighters) must self-extinguish and not leak fuel if tipped over.

### Open Flames

- Open flames such as from candles, shall not be located on or near decorative material or similar combustible materials.
- Candles shall be well secured in a glass globe and wire mesh cage or a similar approved device.
- Candles may be used on tables when the candles are secured on substantial noncombustible bases and the candle flames are protected.
- Candelabras with flame-lighted candles shall be securely fastened in place to prevent overturning, and shall be located away from occupants using the area and away from possible contact with drapes, curtains or other combustibles. Chimneys around candles shall be made of noncombustible materials and securely attached to the candelabras.

### Religious Ceremonies

- When, in the opinion of the fire code official, adequate safeguards have been taken, participants in religious ceremonies are allowed to carry hand-held candles.
- Hand-held candles shall not be passed from one person to another while lighted.

### Theatrical performances

- Theatrical Performances using open flame shall be approved by the Fire Marshal.
- Where approved, open-flame devices used in conjunction with theatrical performances shall comply with the Fire Code.

## Group R-2 Dormitories

- Candles, incense and similar open-flame-producing items shall not be allowed in sleeping units in Group R-2 dormitory occupancies.

## Signals and Markers

- Flame-employing devices, such as lanterns or kerosene road flares, shall not be operated or used as a signal or marker in or upon hazardous fire areas.
  - **Exception:** The proper use of fusees at the scenes of emergencies or as required by standard railroad operating procedures by Authorized personnel.

## Cooking

- Charcoal burners, LP-gas and other open-flame cooking devices shall not be operated inside of buildings.
  - **Exception:** Steno-pot that are placed on non-combustible surface with no decorations around the steno-pot or cooking vessel.
- The serving of flaming foods or beverages is prohibited unless approved by the Fire Marshal.

# Carnival and Fair

## **General Requirements for a Permit**

A permit shall be issued by the Fire Department before the Carnival or Fair can open for business to the General Public.

All the provisions of this permit and all other permits shall be followed at all times during the event.

The Fire / Police Departments has the authority to shut down any event at any time for non-compliance with any permit or if they feel that anyone at the event is in any danger or there will be serious impact to public safety. If necessary the vendor or person will be directed to leave. If necessary this may cause the event to cease and desist.

The use of Fire Hydrant for filling of equipment and use of water is prohibited. Only Chandler Fire Department Personnel are authorized to use Fire Hydrants. Unless otherwise arranged through the water department (480-782-3700).

All Carnivals and Fairs planned shall be reviewed and approved by the City of Chandler Fire, Police and any other City Department necessary no more than 7 days prior to the event. Any additional submissions after the 7 days prior to the event shall not be operated at the carnival or fair.

Seven (7) days prior to the event the event coordinator shall be submit all Carnival and Fair vendors for review and approval by the City of Chandler. No vendors shall be added to the approved list after the list is approved by the City of Chandler. Vendors may drop from the list with no penalties (if permit fees were paid they will not be refunded those permit fees).

Seven (7) days prior to the event the event coordinator shall supply the Fire Department with a Final Map detailing the following:

- a. Site numbers and respective names for each vendor space.
- b. Fencing locations (with emergency evacuation points).
- c. Portable lighting locations
- d. Controlled access points
- e. Portable restroom locations
- f. Entertainment locations
- g. First Aid tent/location

The event coordinator shall provide to the City of Chandler (Fire and Police) an emergency phone contact list (cell phone numbers) for every vendor/promoter at the festival, 7 days prior to the event.

All access roadways leading to recreational vehicles parked on site shall be continuously kept clear of all obstructions. All roadways shall be 20 feet clear width.

All fire access roads throughout the Carnival or Fair area shall be kept clear of stationary obstructions. These may be used as a pedestrian walk way. All roadways shall be 20 feet clear width.

A current annual inspection sticker and/or inspection report for each carnival ride shall be on file. Further a copy shall be available on-site for the Fire Department to review when the rides are set up or upon the initial inspection at the Carnival or Fair.

All carnival or fair rides shall have a fire extinguisher (minimum 2A:10BC or Larger) mounted on the ride. Each extinguisher shall have affixed a current annual service tag provided by a certified company. The fire extinguisher shall be in good working order and the safety pin shall be held in place by the appropriate safety clip.

Spectators under the age of 12 shall not be allowed to “ride” any of the carnival animals without direct supervision of a parent or guardian.

Tents and canopies shall be a minimum of 20 feet apart and have the current flame retardant certificate available for review during the inspection period. All tent and canopies shall be secured via weights; ground stakes are prohibited on asphalt and concrete (unless approved by owner). Stakes are allowed in grass and dirt areas. For additional requirements on tent and canopies refer to the Temporary Membrane Structure, Tent, canopy and Air-Supported Structure Permit Application.

All food service units shall have a 2A-10BC minimum rated Fire Extinguisher mounted in the unit. Each extinguisher shall have affixed a current annual service tag provided by a certified company. The fire extinguisher shall be in good working order and the safety pin shall be held in place by the appropriate safety clip. All food service units with overhead fire extinguishing systems shall have a tag on the system indicating that the system was inspected and serviced by a certified company within the preceding six (6) months. A fire extinguisher with “Class K” rating shall be mounted in the cooking area and have a tag on the extinguisher indicating that the extinguisher was inspected and serviced by a certified company within the last year. For additional requirements on open flame cooking permits see Open Flame Permit Application.

For additional requirements on open flame cooking permits see Open Flame Permit Application.

Propane gas tank(s) used for cooking in the food area shall be secured to prevent the tank(s) from being knocked over.

Open flames during the event among spectators (such as roving flame dancers, etc.) are not permitted. This requirement specifically addresses public safety and there is no exception. Entertainment involving open flame shall conform to the Fire code and any applicable City Ordinance and amendments.

The Fire/Police Department reserves the rights to suspend any event should environmental conditions become a threat to public safety. These include but are not limited to:

- a. Thunder audible at the event
- b. Lightning suspected or estimated to be within 15 miles of the event
- c. Wind speeds exceeding minimum safe tolerance for ride, including inflatable attractions as indicated by ASTM standards or the specific rides safety information.
- d. Civil unrest

No later than seven (7) days prior to the event shall the event coordinator submit a completed and accurate description of the parking areas, plans for routing pedestrians traffic, exact parking attendant staff counts, specific details about fencing for pedestrian control and plans for portable lighting and fencing for parking, including but not limited to all roads.

No later than seven (7) days prior to the event shall the event coordinator submit a detailed private security plan for the event, including but not limited to, staffing levels, credentials and planning staffing locations.

Generators 5KW or larger need to be bonded and grounded in accordance with all applicable codes.

- a. Ground rods 8ft in length, 5/8" Stainless, Copper or Zinc coated steel, not less than 1/2" shall be used.
- b. The Ground rods shall not be less than 6 ft from any other ground system. Two or more grounding electrodes that are bonded together shall be considered a single grounding electrode system.
- c. Where the supplemental electrode is a rod, pipe, or plate electrode, that portion of the bonding jumper that is the sole connection to the supplemental grounding electrode shall not be required to be larger than 6 AWG copper wire or 4 AWG aluminum wire.

Generators shall be separated from any combustible materials, tents, canopies or membrane structures (see FPB #04) by a minimum of twenty feet (20') and shall be isolated from contact with the public by fencing, enclosure or other approved means.

Generators shall not be refueled while in use.

## **Dangerous Events**

If a vendor or event may seriously impact public safety, the City Fire or Police Department has the authority to immediately cause that activity to stop. If necessary the vendor/entertainer will be directed to leave the venue. In these rare cases, the City Fire or Police Department will immediately notify the responsible party of the name of the vendor/entertainer and the reason for the cease and desist action.

If the City reasonably determines in its sole discretion that the use to which the event will or likely to create a dangerous or unsafe condition, or will or is likely to condition improper, incendiary or dangerous to the public health, safety or morals, or will or is likely to endanger or deteriorate the event or any part thereof by fire, water or other means of any nature, or if the responsible party violates any of the provisions hereof, then and in that event the responsible party agree that this agreement may be summarily cancelled by the city without any advanced notice whatsoever to the responsible party. In the event of cancellation of this agreement, the responsible party understands and agrees that no liability whatsoever shall attach to the city by reason of such cancellation.